



Inception MLC800 Series

FAST AND RELIABLE SOLID STATE DRIVES

Introducing the latest addition to the Origin Storage portfolio, the Inception MLC800 Series of Internal SSD upgrades.

The MLC800 is manufactured using the latest in SSD technology; inside its sleek aluminium casing it combines a 15nm MLC NAND alongside a Phison S10 Controller to offer incredible performance that truly leaves traditional HDD's in the dark ages.

With a 10x performance increase in data transfer and a huge reduction in boot time, upgrading to an Inception MLC800 SSD will grant new life to any system.

KEY FEATURES:

- > Static and Dynamic Wear Levelling
- > TRIM
- > Over-provisioning
- > Bad Block Management

Part Numbers:

OMLC64SATA/2.5	Inception MLC800 Series 64GB
OMLC128SATA/2.5	Inception MLC800 Series 128GB
OMLC256SATA/2.5	Inception MLC800 Series 256GB
OMLC512SATA/2.5	Inception MLC800 Series 480GB
OMLC1TBSATA/2.5	Inception MLC800 Series 1TB

SPECIFICATIONS:

- > Interface SATAIII (suports II & I)
- > Form factor 2.5"
- > Capacities - 64GB, 128GB, 256GB, 512GB, 1TB
- > Controller Phison S10
- > NAND MLC

Data Transfer Sequential MB/s (CrystalDiskMark)

64GB	up to 415MB/s Read and 165MB/s Write
128GB	up to 420MB/s Read and 175MB/s Write
256GB	up to 520MB/s Read and 400MB/s Write
512GB	up to 520MB/s Read and 500MB/s Write
1TB	up to 520MB/s Read and 500MB/s Write

Maximum Random 4k Read/Write (IOMETER)

64GB	up to 23,736 IOPS and 12,015 IOPS
128GB	up to 82,827 IOPS and 10,358 IOPS
256GB	up to 90,000 IOPS and 90,457 IOPS
512GB	up to 90,054 IOPS and 90,927 IOPS
1TB	up to 89,740 IOPS and 90,329 IOPS

Power Consumption

0.06W Idle (MAX) / 0.32W (MAX) Read / 0.62W (MAX) Write

- > Storage temperature -45°C~85°C
- > Operating temperature 0°C~70°C
- > Dimensions 70mm x 100mm x 7mm
- > Weight 300g
- > Life expectancy 1.5 million hours MTBF
- > Warranty/support - 3-year

TeraBytes Written

64GB	158TBW
128GB	317TBW
256GB	635TBW
512GB	480TBW
1TB	930TBW



originstorage.com